

AutoCert + Mass Quote User Manual

4/15/14

Futures trading is not suitable for all investors, and involves the risk of loss. Futures are a leveraged investment, and because only a percentage of a contract's value is required to trade, it is possible to lose more than the amount of money deposited for a futures position. Therefore, traders should only use funds that they can afford to lose without affecting their lifestyles. And only a portion of those funds should be devoted to any one trade because they cannot expect to profit on every trade.

All references to options refer to options on futures.

CME Group is a trademark of CME Group Inc. The Globe Logo, CME, Chicago Mercantile Exchange, Globex, iLink, E-mini, CME EOS Trader, Galax-C, FirmSoft, CME DataSuite, and CME DataMine are trademarks of Chicago Mercantile Exchange Inc. New York Mercantile Exchange, NYMEX, miNY, and ClearPort are registered trademarks of the New York Mercantile Exchange, Inc. COMEX is a trademark of Commodity Exchange, Inc.

FIX™ and FAST™ are trademarks of FIX Protocol Limited. FIX/FASTsm is a service mark of FIX Protocol Limited.

Dow Jonessm, Dow Jones AIG Commodity Indexsm, The Dowsm, Dow Jones Industrial Averagessm, and DJIAsm are service marks of Dow Jones & Company, Inc. and American International Group, Inc. (AIG) and have been licensed for use for certain purposes by the Board of Trade of the City of Chicago, Inc (CBOT®). CBOT futures and options on futures contracts based on the Dow Jones Industrial Averagesm are not sponsored, endorsed, sold or promoted by Dow Jonessm, and Dow Jonessm makes no representation regarding the advisability of trading such product(s).

BM&FBOVESPA™ is a trademark of BM&FBOVESPA, KRX™ is a trademark of Korea Exchange, DME™ is a trademark of Dubai Mercantile Exchange, BMD™ is a trademark of Bursa Malaysia, BMV™ is a trademark of Bolsa Mexicana De Valores.

All other trademarks are the property of their respective owners.

The information within this document has been compiled by CME Group for general purposes only. CME Group assumes no responsibility for any errors or omissions. Additionally, all examples in this brochure are hypothetical situations, used for explanation purposes only, and should not be considered investment advice or the results of actual market experience.

All matters pertaining to rules and specifications herein are made subject to and are superseded by official CME, CBOT, and NYMEX rules. Current rules should be consulted in all cases concerning contract specifications.

Copyright © 2014 CME Group Inc. All rights reserved.

Table of Contents

Getting Started	4
What's New	5
Interview	6
Mass Quote Submission	6
Modify Quote Price and Quantity	9
Quote Cancellation (Instrument Level)	11
Quote Cancellation (Instrument Group Level)	13
Quote Cancellation (Cancel All Quotes)	15
Unsolicited Quote Cancellations	17
Mass Quote Protection	19
Mass Quote New Quote Fill Protection	19
Mass Quote Execution Protection	21
Mass Quote Traded Quantity Protection	23
Mass Quote Buy/Sell Protection	25
Manual Order Indicator	28
Manual Order Indicator for Manual System	28
Manual Order Indicator for ATS System	29
Manual Order Indicator for Semi Automated System	30

Please submit user experience [feedback](#) about this help system.

Getting Started

The AutoCert+ tool is an automated testing tool for validating application functionality. It provides an easy-to-use web interface for walking through CME Group certification scenarios.

To facilitate the process of connecting a customer application to CME Globex, CME Group provides a dedicated certification environment to allow customers to test their systems before they complete certification.

The AutoCert+ Mass Quote tests are used to verify that a client system can perform all Mass Quote functions.

Note: All customers should have permissions to act as customers, and one instrument should be locked so the customers cannot submit quotes for instruments in that group.

To run and navigate AutoCert+:

1. [Log into](#) the automated certification tool.
2. Review general AutoCert+ test suite [navigation](#) and [general interview](#) information.
3. Complete the [Interview](#) for this test suite.
4. Complete applicable test cases.
5. Complete the certification process from the [Post Certification](#) tab.

What's New

The list below illustrates the updates made to the AutoCert+ - Mass Quote Help system.

Date	Author	Topic	Description
4/15/14	AS		Updated links and edited to meet Help standards and consolidated all topics.
9/17/12		Getting Started	Enhanced Getting Started section.
2/22/12			Made all edits related to Mass Quote name change
6/2/11			Miscellaneous content and screen edits
9/23/11			ACP 4.0 GUI Updates
4/13/11			Original Flare draft.

Interview

The interview consists of a series of questions about your trading application. Based on your responses, certain tests are required and others are optional. You must complete the pre-certification interview before running the test cases.

To complete the interview, you must determine the types of Products (interest rate, energy, equity, FX, and/or commodity), the Mass Quote Protection Parameters (new quote fill, execution, trade quantity protection, and/or buy/sell), which Quote Cancellation functionality (instruments and/or instruments groups) your system supports, and how your system sends orders (manual, ATS, or semi-automated).

Note: When selecting a product type, if you select Interest Rate, then an interest rate dummy instrument should be assigned, and if you select Energy, and Interest Rate is not selected, an energy dummy instrument should be assigned.

Note: If your system will not support Mass Quote Protection, do not select any Mass Quote Protection Parameter options.

After answering the Interview questions, click the **Complete** button.

Current Testing Configuration

Company Name: **QA** Tester: **TestSuite: Mass Quote**

System Profile: **MassQuote_Online_Help - Automated Trading System 1.0** TestSuite: **Mass Quote**

SenderComp: **UNASIGN**

Test Suite Status:

Pre-Certification Interview: **Not Complete**

Test Suite Status: **Not Tested**

[Mass Quote Online Help](#)

Interview Test Suite Test Case Post Certification

What types of product will your system support?

☐ Interest Rate

☐ Energy

☐ Equity

☒ FX

☐ Commodity

What Mass Quote Protection Parameters will your system support?

☒ New Quote Fill

☐ Execution

☐ Trade Quantity Protection

☐ Buy/Sell

Which Quote Cancellation functionality will your system support?

☒ Instruments

☒ Instruments Groups

How will your system send orders?

☐ Manual

☒ ATS

☐ Semi Automated

Complete

Mass Quote Submission

The Mass Quote Submission test verifies that your system can submit a [Mass Quote](#).

Note: This procedure refers to “first”, “second”, and “third” quotes on Mass Quotes. The order of quotes is determined by looking at the first repeating group starting after the first instance of tag 295-NoQuoteEntries in the message.

Test Suite
Test Case
Post Certification

Steps of the test: Mass Quote Submission

This test could take up to several minutes. Please do not close the window during the test. Closing window/stopping test requires to rerun the test from step1.

Purpose
The purpose of this test is to verify that the client system can submit a Mass Quote and receive and process the Acknowledgement and Fill messages

Selected Contract : 2GEH2 C9887,2GEH2 C9837,2GEH2 P9862 - 705
Unlock

Category	IP	Port
Incremental Feed A		137
Incremental Feed B	IFA_ID_37	
Snapshot	SPT_ID_37	139
Instrument Replay	IFA_ID_37	140

Note: Press the Start Test button to start or restart a Test. Please do not press the Start Test button again if you are currently running this test.
START TEST

Description	Status
1 Over an iLink connection, submit a two-sided Mass Quote with at least 3 quotes from the same instrument group, each having a quantity greater than 10. A partial fill, complete fill, and trade cancellation will be simulated from this Mass Quote	
2 Receive and process Quote Acknowledgement message	
3 Receive and process Execution Report - Fill Notice message	
4 Receive and process Execution Report - Fill Notice message	
5 Receive and Process Execution Report - Trade Cancellation message	
6 Submit a two-sided Mass Quote for the instrument with at least 2 quotes from the same instrument group. A market close will be simulated so an Acknowledgement Reject message will be returned from this Mass Quote	
7 Receive and Process Quote Acknowledgement - Reject message	
8 Submit a two-sided Mass Quote for the instrument with at least 2 quotes from the same instrument group, each having a quantity greater than 10. The system will change the price of one quote to simulate a rejected quote	
9 Receive and Process Quote Acknowledgement message	
10 Receive and Process Execution Report - Fill message	

Key: not tested complete pending failed

REFRESH

To run a Mass Quote Submission test:

- From the **Contract** drop-down, select the desired contract if the contract is not already locked.
- Click the **"START TEST"** button.

Note: DO NOT select the **"START TEST"** button once the test process is in progress.

- Submit a two-sided [Mass Quote \(tag 35-MsgType=i\)](#) message for at least 3 quotes from the same instrument group, each having a quantity greater than 10.
- Select **"Yes"** or **"No"** to indicate whether or not your system processed the following messages:
 - [Quote Acknowledgment \[tag 35=b, tag 297-QuoteAckStatus=0 \(Accepted\)\]](#)
 - [Execution Report – Fill Notice \[tag 35=8, tag 39-OrdStatus=1 \(Partial Fill\)\]](#) message for one of the quotes.
 - Execution Report – Fill Notice message [tag 35=8, tag 39-OrdStatus=2 (Complete Fill)] message.
 - [Execution Report - Trade Cancellation \(tag 35=8, tag 39-OrdStatus=H\)](#) message for all resting quotes.

5. Submit a two-sided Mass Quote (35=i) message for at least 2 quotes from the same instrument group.
6. Select "**Yes**" or "**No**" to indicate whether or not your system processed the Quote Acknowledgment (tag 35=b, tag 297-QuoteAckStatus=5 (Rejected), tag 300-QuoteRejectReason=2 (Exchange [Security] closed), tag 9772-NoProcessedEntries=0) message.
7. Submit a two-sided Mass Quote (35=i) message with at least 2 quotes from the same instrument group, each having a quantity greater than 10.
8. Select "**Yes**" or "**No**" to indicate whether or not your system processed the following messages:
 - Quote Acknowledgment (35=b) message.
 - Execution Report – Fill Notice [35=8] message.

Modify Quote Price and Quantity

This test verifies that your system can modify the price and quantity for quote entries.

Current Testing Configuration

Company Name: QA

System Profile: MassQuote_Online_Help - Automated Trading System 1.0

SenderComp : PD3123 UNASSIGN

Tester : Swadesh Kachhi

TestSuite: Mass Quote

Test Suite Status:

Pre-Certification Interview : ✔ Complete

Test Suite Status: In Progress

[Mass Quote Online Help](#)

Interview

Test Suite

Test Case

Post Certification

Steps of the test: Modify Quote Price and Quantity

This test could take up to several minutes. Please do not close the window during the test. Closing window/stopping test requires to rerun the test from step 1.

Purpose

The purpose of this test is to verify that the client system can modify the price and quantity for quote entries, including zero-out cancellation, and receive and process a Trade Cancellation message

Selected Contract : 2GEH2 C9887,2GEH2 C9837,2GEH2 P9862 - 705 Unlock

Category	IP	Port
Incremental Feed A	IFA_ID_37	137
Incremental Feed B	SPT_ID_37	139
Snapshot	IFA_ID_37	140

Note: Press the Start Test button to start or restart a Test. Please do not press the Start Test button again if you are currently running this test.

START TEST

Description	Status
1 Over an iLink connection, submit a two-sided Mass Quote with at least 2 quotes from the same instrument group	●
2 Receive and process a Quote Acknowledgement message	●
3 Submit a two-sided Mass Quote with one of the same quotes used in the original Mass Quote (using the same security description and quote entry ID), modifying the price and quantity of a quote	●
4 Receive and process a Quote Acknowledgement message	●

Key: ● not tested ● complete ● pending ● failed

REFRESH

To run a Modify Quote Price and Quantity test:

1. From the **Contract** drop-down, select the desired contract if the contract is not already locked.
2. Click the "START TEST" button.

Note: DO NOT select the "START TEST" button once the test process is in progress.

3. Submit a two-sided [Mass Quote \(tag 35-MsgType=i\)](#) message with at least 2 quotes from the same instrument group.
4. Select "Yes" or "No" to indicate whether or not your system processed the [Quote Acknowledgment \[35=b, tag 297-QuoteAckStatus=0 \(Accepted\)\]](#) message.

5. Submit a two-sided Mass Quote (35=i) message with one of the same quotes used in the original Mass Quote (using the same security description (tag 107-SecurityDesc) and quote entry ID (tag 269-QuoteEntryID), modifying the price and quantity of a quote.
6. Select "**Yes**" or "**No**" to indicate whether or not your system processed the Quote Acknowledgment (35=b, 297=0) message accepting all of the instrument quotes.

Quote Cancellation (Instrument Level)

This test verifies that your system can cancel a quote for an instrument.

Current Testing Configuration

Company Name: QA

System Profile: MassQuote_Online_Help - Automated Trading System 1.0

SenderComp: UNASSIGN

Tester: David Smith - Test User

TestSuite: Mass Quote

Test Suite Status:

Pre-Certification Interview: ✔ Complete

Test Suite Status: In Progress

[Mass Quote Online Help](#)

Interview
Test Suite
Test Case
Post Certification

Steps of the test: Quote Cancellation - Instrument Level

This test could take up to several minutes. Please do not close the window during the test. Closing window/stopping test requires to rerun the test from step 1.

Purpose

The purpose of this test is to verify that the client system can modify the price and quantity for quote entries, including zero-out cancellation, and receive and process a Trade Cancellation message

Selected Contract: 2GEH2 C9887,2GEH2 C9837,2GEH2 P9862 - 705 Unlock

Category	IP	Port
Incremental Feed A	IFA_ID_37	137
Incremental Feed B	SPT_ID_37	139
Snapshot	IFA_ID_37	140

Note: Press the Start Test button to start or restart a Test. Please do not press the Start Test button again if you are currently running this test.

START TEST

Description	Status
1 Over an iLink connection, submit a two-sided Mass Quote with at least 2 quotes from the same instrument group	●
2 Receive and process a Quote Acknowledgement message	●
3 Submit an instrument level Quote Cancel message for at least an instrument submitted in Step 1	●
4 Receive and process a Quote Cancel Acknowledgement message	●

Key: ● not tested ● complete ● pending ● failed

REFRESH

To run a Quote Cancellation (Instrument Level) test:

- From the **Contract** drop-down, select the desired contract if the contract is not already locked.
- Click the **"START TEST"** button.

Note: DO NOT select the **"START TEST"** button once the test process is in progress.

- Submit a two-sided [Mass Quote \(tag 35-MsgType=i\)](#) message with at least 2 quotes from the same instrument group.
- Select **"Yes"** or **"No"** to indicate whether or not your system processed the [Quote Acknowledgment \[35=b, 297-QuoteAckStatus=0 \(Accepted\)\]](#) message accepting all of the instrument quotes.
- Submit a [Quote Cancel \(35=Z, 298-QuoteCancelType=1\)](#) message for two instruments.

6. Select "**Yes**" or "**No**" to indicate whether or not your system processed the [Quote Cancel Acknowledgment \(35=b\)](#) message.

Quote Cancellation (Instrument Group Level)

This test verifies that your system can cancel quotes for an instrument group level.

Company Name: **QA**
Tester: **Test Suite**

System Profile: **MassQuote_Online_Help - Automated Trading System 1.0**
Test Suite: **Mass Quote**

SenderComp: **UNASSIGN**

Test Suite Status:
Pre-Certification Interview: **Complete**
Test Suite Status: **In Progress**
[Mass Quote Online Help](#)

Interview
Test Suite
Test Case
Post Certification

Steps of the test: Quote Cancellation - Instrument Group Level

This test could take up to several minutes. Please do not close the window during the test. Closing window/stopping test requires to rerun the test from step1.

Purpose
The purpose of this test is to verify that the client system can modify the price and quantity for quote entries, including zero-out cancellation, and receive and process a Trade Cancellation message

Selected Contract: 2GEH2 C9887,2GEH2 C9837,2GEH2 P9862 - 705 **Unlock**
Selected Second Contract: 1EJH2 C9975,1EJH2 C9975,1GEH2 C9862 - 705 **Unlock**

Category	IP	Port
Incremental Feed A	IFA_ID_37	137
Incremental Feed B	SPT_ID_37	139
Snapshot	IFA_ID_37	140

Note: Press the Start Test button to start or restart a Test. Please do not press the Start Test button again if you are currently running this test.

START TEST

Description	Status
1 Over an iLink connection, submit a two-sided Mass Quote with at least 2 quotes from the same instrument group	
2 Receive and process a Quote Acknowledgement message	
3 Submit a second two-sided Mass Quote with quotes using a different instrument group than what was used in the first Mass Quote	
4 Receive and process a Quote Acknowledgement message	
5 Submit a Quote Cancel message for the instrument group used either in the first Mass Quote or second one	
6 Receive and process a Quote Cancel Acknowledgement message	

Key: not tested complete pending failed

REFRESH

To run a Quote Cancellation (Instrument Group Level) test:

1. From the **Contract** drop-down, select the desired contract if the contract is not already locked.
2. Click the "START TEST" button.

Note: DO NOT select the "START TEST" button once the test process is in progress.

3. Submit a two-sided [Mass Quote \(tag 35-MsgType=i\)](#) message with at least 2 quotes from the same instrument group.
4. Select "Yes" or "No" to indicate whether or not your system received and processed the [Quote Acknowledgment \[35=b, 297-QuoteAckStatus=0 \(Accepted\)\]](#) message, accepting all of the instrument quotes, correctly.
5. Submit a two-sided [Mass Quote \(35=i\)](#) message with quotes from a different instrument group than what was used in the first Mass Quote.
6. Select "Yes" or "No" to indicate whether or not your system received and processed the [Quote Acknowledgment \(35=b\)](#) message.
7. Submit a [Quote Cancel \[35=Z, tag 298-QuoteCancelType=3 \(Cancel per instrument group\)\]](#) message for the instrument group used in the first Mass Quote.
8. Select "Yes" or "No" to indicate whether or not your system received and processed the [Quote Cancel Acknowledgment \(35=b\)](#) message.

Quote Cancellation (Cancel All Quotes)

This test verifies that your system can cancel all resting quotes, including an instrument/instrument group with no resting quotes.

Company Name:

Tester :

System Profile:

TestSuite:

SenderComp :

Test Suite Status:

Pre-Certification Interview :

Test Suite Status:

[Mass Quote Online Help](#)

Interview

Test Suite

Test Case

Post Certification

Steps of the test: Quote Cancellation - Cancel All Quotes

This test could take up to several minutes. Please do not close the window during the test. Closing window/stopping test requires to rerun the test from step1.

Purpose

The purpose of this test is to verify that the client system can cancel all resting quotes and receive and process a Quote Cancel Acknowledgment, including an instrument/instrument group with no resting quotes

Selected Contract : 2GEH2 C9887,2GEH2 C9837,2GEH2 P9862 - 705

Unlock

Category	IP	Port
Incremental Feed A	IFA_ID_37	137
Incremental Feed B	SPT_ID_37	139
Instrument Replay	IFA_ID_37	140

Note: Press the Start Test button to start or restart a Test. Please do not press the Start Test button again if you are currently running this test.

START TEST

Description	Status
1 Over an iLink connection, submit a two-sided Mass Quote with at least 2 quotes from the same instrument group	<input type="radio"/>
2 Receive and process a Quote Acknowledgement message	<input type="radio"/>
3 Submit a Quote Cancel All message	<input type="radio"/>
4 Receive and process a Quote Cancel Acknowledgement message	<input type="radio"/>

REFRESH

Key: ☐ not tested ☒ complete ☐ pending ☐ failed

To run a quote cancellation (cancel all quotes) test:

- From the **Contract** drop-down, select the desired contract if the contract is not already locked.
- Click the "START TEST" button.

Note: DO NOT select the "START TEST" button once the test process is in progress.

- Submit a two-sided [Mass Quote \(tag 35-MsgType=i\)](#) message with at least 2 quotes from the same instrument group.
- Select "Yes" or "No" to indicate whether or not your system processed the [Quote Acknowledgment \[35=b, tag 297-QuoteAckStatus=0 \(Accepted\)\]](#) message.
- Submit a [Quote Cancel \[35=Z, tag 298-QuoteCancelType=4 \(Cancel all quotes\), 55=N/A\]](#) message for all resting quotes.

6. Select "**Yes**" or "**No**" to indicate whether or not your system processed the [Quote Cancel Acknowledgment \(35=b\)](#) message.

Unsolicited Quote Cancellations

This test verifies that your system can receive and process unsolicited Quote Cancellations (disconnect, logout, and GCC-initiated).

Test Suite
Test Case
Post Certification

Steps of the test: Unsolicited Quote Cancellations

This test could take up to several minutes. Please do not close the window during the test. Closing window/stopping test requires to rerun the test from step1.

Purpose
The purpose of this test is to verify that the client system can receive and process an unsolicited Quote Cancellations (disconnect, logout, and GCC initiated)

Selected Contract: 2GEH2 C9887,2GEH2 C9837,2GEH2 P9862 - 705
Unlock

Category	IP	Port
Incremental Feed A		137
Incremental Feed B	IFA_ID_37	
Snapshot	SPT_ID_37	139
Instrument Replay	IFA_ID_37	140

Note: Press the Start Test button to start or restart a Test. Please do not press the Start Test button again if you are currently running this test.

START TEST

Description	Status
1 Over an iLink connection, submit a two-sided Mass Quote with at least 2 quotes from the same instrument group	
2 Receive and process Quote Acknowledgement message	
3 A hard disconnect is simulated to prompt an unsolicited Quote Cancellation	
4 Reconnect and logon	
5 Upon logon send Resend Request and receive and process any resent messages	
6 Submit a two-sided Mass Quote with at least 2 quotes from the same instrument group	
7 Receive and process a Quote Acknowledgement message	
8 Submit a Logout message. Logout is performed to prompt quote cancellations	
9 Receive and process a Logout Confirmation message	
10 Reconnect and logon (receive and process any appropriate messages)	
11 Submit a two-sided Mass Quote with at least 2 quotes from the same instrument group	
12 Receive and process a Quote Acknowledgement message	
13 Receive and process a GCC quote cancellation is simulated to prompt an unsolicited Quote Cancellation	

Key:
not tested
complete
pending
failed

REFRESH

To run an Unsolicited Quote Cancellations test:

1. From the **Contract** drop-down, select the desired contract if the contract is not already locked.
2. Click the "START TEST" button.

Note: DO NOT select the "START TEST" button once the test process is in progress.

3. Submit a two-sided [Mass Quote \(tag 35-MsgType=i\)](#) message with at least 2 quotes from the same instrument group.

4. Select **"Yes"** or **"No"** to indicate whether or not your system received and processed the [Quote Acknowledgment \[35=b, 297-QuoteAckStatus=0 \(Accepted\)\]](#) message accepting all of the instrument quotes.
5. A hard disconnect is simulated to prompt an unsolicited Quote Cancellation.
6. Reconnect and [logon](#).
7. Submit a [Resend Request \(35=2\)](#) message and receive and process any resent messages.
8. Submit a two-sided Mass Quote (35=i) message with at least 2 quotes from the same instrument group.
9. Select **"Yes"** or **"No"** to indicate whether or not your system received and processed a Quote Acknowledgment (35=b, 297=0) message accepting all of the instrument quotes.
10. Submit a [Logout \(35=5\)](#) message.
11. Select **"Yes"** or **"No"** to indicate whether or not your system processed the Logout (35=5) message.
12. Reconnect and [logon](#).
13. Submit a two-sided Mass Quote (35=i) message with at least 2 quotes from the same instrument group.
14. Select **"Yes"** or **"No"** to indicate whether or not your system processed the following messages:
 - Quote Acknowledgment [35=b, 297-QuoteAckStatus=0 (Accepted)] message accepting all of the instrument quotes
 - Quote Cancel Acknowledgment [35=b, 9775-UnsolicitedCancelType=D (Eliminated Group [CME Globex platform-initiated])] GCC quote cancellation message simulated to prompt an unsolicited Quote Cancellation.

Mass Quote Protection

Mass Quote Protection tests include the following:

- [Mass Quote New Quote Fill Protection](#)
- [Mass Quote Execution Protection](#)
- [Mass Quote Traded Quantity Protection](#)
- [Mass Quote Buy/Sell Protection](#)

Mass Quote New Quote Fill Protection

This test verifies that your system can submit a [Mass Quote with New Quote Fill Protection](#) and reset Mass Quote Protection after it has been triggered.

Note: This procedure refers to “first”, “second”, and “third” quotes on Mass Quotes. The order of quotes is determined by looking at the first repeating group starting after the first instance of tag 295-NoQuoteEntries in the message.

Note: This test is mandatory if you selected "New Quote Fill" in response to the [Interview](#) question, “What Mass Quote Protection Parameters will your system support?”

Interview
Test Suite
Test Case
Post Certification

Steps of the test: Mass Quoter New Quote Fill Protection

This test could take up to several minutes. Please do not close the window during the test. Closing window/stopping test requires to rerun the test from step 1.

Purpose
The purpose of this test is to verify that the client system can submit a Mass Quote with protection and receive and process the Acknowledgement and Fill messages. In addition, verify that the client system can reset the Mass Quoter Protection after it has been triggered.

Selected Contract : 2GEH2 C9887,2GEH2 C9837,2GEH2 P9862 - 705
Unlock

Category	IP	Port
Incremental Feed A		137
Incremental Feed B	IFA_ID_37	
Snapshot	SPT_ID_37	139
Instrument Replay	IFA_ID_37	140

Note: Press the Start Test button to start or restart a Test. Please do not press the Start Test button again if you are currently running this test.

START TEST

Description	Status
1 Over an iLink connection, submit a two-sided Mass Quote with more than one quote from the same instrument group, each having a quantity greater than 100	
2 Receive and Process Quote Acknowledgement message	
3 Submit a second two-sided Mass Quote for a different instrument in the same instrument group used in step 1	
4 Receive and process Execution Report - Fill Notice message	
5 Receive and Process Quote Cancel Acknowledgement message	
6 Receive and Process Quote Acknowledgement - Reject message	
7 Submit a two-sided Mass Quote (for the same instrument used in step 3) specifying that the mass quote protection is reset	
8 Receive and Process Quote Acknowledgement message	
9 Submit a two-sided Mass Quote (a different instrument in the same instrument group used in step 7) with more than one quote from the same instrument group	
10 Receive and Process Quote Acknowledgement message	

Key: not tested complete pending failed

REFRESH

► To run a Mass Quote New Quote Fill Protection test:

1. From the **Contract** drop-down, select the desired contract if the contract is not already locked.
2. Click the "START TEST" button.

Note: DO NOT select the "START TEST" button once the test process is in progress.

3. Submit a two-sided [Mass Quote \(tag 35-MsgType=i\)](#) message with more than one quote from the same instrument group, each having a quantity greater than 100.
4. Select "Yes" or "No" to indicate whether or not your system processed the [Quote Acknowledgment \[35=b, 297-QuoteAckStatus=0 \(Accepted\)\]](#) message accepting all of the instrument quotes.
5. Submit another two-sided Mass Quote (35=i) for a different instrument in the same instrument group used in step 1.
6. Select "Yes" or "No" to indicate whether or not your system processed the following messages:

- [Execution Report - Fill Notice](#)
 - [Quote Cancel Acknowledgment \(35=b, 9775-UnsolicitedCancelType=F \[Market Maker Protection\]\)](#)
 - [Quote Acknowledgment \(35=b, 297=5 \[Rejected\], 300-QuoteRejectReason=98 \[Market Maker Protection\], 58-Text=\[Market Maker Protection\], 368-QuoteEntryRejectReason= \[Market Maker Protection\]\)](#)
7. Submit a two-sided Mass Quote (35=i) message (for the same instrument used in step 3), specifying that Mass Quote Protection should be reset (9773-MMProtectionReset=Y).
 8. Select **"Yes"** or **"No"** to indicate whether or not your system processed the Quote Acknowledgment [35=b, 297-QuoteAckStatus=0 (Accepted)] message accepting all of the instrument quotes.
 9. Submit a two-sided Mass Quote (35=i) message (a different instrument from the same instrument group used in step 7) with more than one quote from the same instrument group.
 10. Select **"Yes"** or **"No"** to indicate whether or not your system processed the Quote Acknowledgment (35=b, 297-QuoteAckStatus=0 (Accepted)) message accepting all of the instrument quotes.

Mass Quote Execution Protection

This test verifies that your system can submit a [Mass Quote with with Execution Protection](#) and reset Mass Quote Protection after it has been triggered.

Note: This procedure refers to “first”, “second”, and “third” quotes on Mass Quotes. The order of quotes is determined by looking at the first repeating group starting after the first instance of tag 295-NoQuoteEntries in the message.

Note: This test is mandatory if you selected "Execution" in response to the [Interview](#) question, “What Mass Quote Protection Parameters will your system support?”

Test Suite
Test Case
Post Certification

Steps of the test: Mass Quoter Execution Protection

This test could take up to several minutes. Please do not close the window during the test. Closing window/stopping test requires to rerun the test from step 1.

Purpose

The purpose of this test is to verify that the client system can submit a Mass Quote with protection and receive and process the Acknowledgement and Fill messages. In addition, verify that the client system can reset the Mass Quoter Protection after it has been triggered.

Selected Contract : 2GEH2 C9887,2GEH2 C9837,2GEH2 P9862 - 705 Unlock

Category	IP	Port
Incremental Feed A		137
Incremental Feed B	IFA_ID_37	
Snapshot	SPT_ID_37	139
Instrument Replay	IFA_ID_37	140

Note: Press the Start Test button to start or restart a Test. Please do not press the Start Test button again if you are currently running this test. START TEST

Description	Status
1 Over an iLink connection, submit a two-sided Mass Quote with more than one quote from the same instrument group, each having a quantity greater than 100	
2 Receive and Process Quote Acknowledgement message	
3 Submit a second two-sided Mass Quote for a different instrument in the same instrument group used in step 1	
4 Receive and process Execution Report - Fill Notice message	
5 Receive and Process Quote Cancel Acknowledgement message	
6 Receive and Process Quote Acknowledgement - Reject message	
7 Submit a two-sided Mass Quote (for the same instrument used in step 3) specifying that the mass quote protection is reset	
8 Receive and Process Quote Acknowledgement message	
9 Submit a two-sided Mass Quote (a different instrument in the same instrument group used in step 7) with more than one quote from the same instrument group	
10 Receive and Process Quote Acknowledgement message	

Key: not tested complete pending failed

REFRESH

To run a Mass Quote Execution Protection test:

- From the **Contract** drop-down, select the desired contract if the contract is not already locked.
- Click the "START TEST" button.

Note: DO NOT select the "START TEST" button once the test process is in progress.

- Submit a two-sided [Mass Quote \(tag 35-MsgType=i\)](#) message with more than one quote from the same instrument group, each having a quantity greater than 100.
- Select "Yes" or "No" to indicate whether or not your system processed the [Quote Acknowledgment \[35=b, 297-QuoteAckStatus=0 \(Accepted\)\]](#) message accepting all of the instrument quotes.
- Submit another two-sided Mass Quote (35=i) for a different instrument in the same instrument group used in step 1.
- Select "Yes" or "No" to indicate whether or not your system processed the following messages:
 - [Execution Report - Fill Notice](#)
 - [Quote Cancel Acknowledgment \(35=b, 9775-UnsolicitedCancelType=F \[Market Maker Protection\]\)](#)

- [Quote Acknowledgment \(35=b, 297=5 \[Rejected\], 300-QuoteRejectReason=98 \[Market Maker Protection\], 58-Text=\[Market Maker Protection\], 368-QuoteEntryRejectReason= \[Market Maker Protection\]\)](#)
7. Submit a two-sided Mass Quote (35=i) message (for the same instrument used in step 3), specifying that Mass Quote Protection should be reset (9773-MMProtectionReset=Y).
 8. Select **"Yes"** or **"No"** to indicate whether or not your system processed the Quote Acknowledgment [35=b, 297-QuoteAckStatus=0 (Accepted)] message accepting all of the instrument quotes.
 9. Submit a two-sided Mass Quote (35=i) message (a different instrument from the same instrument group used in step 7) with more than one quote from the same instrument group.
 10. Select **"Yes"** or **"No"** to indicate whether or not your system processed the Quote Acknowledgment (35=b, 297-QuoteAckStatus=0 (Accepted)) message accepting all of the instrument quotes.

Mass Quote Traded Quantity Protection

This test verifies that your system can submit a [Mass Quote with Traded Quantity Protection](#) and reset the Mass Quote Protection after it has been triggered.

Note: This procedure refers to “first”, “second”, and “third” quotes on Mass Quotes. The order of quotes is determined by looking at the first repeating group starting after the first instance of tag 295-NoQuoteEntries in the message.

Note: This test is mandatory if you selected "Trade Quantity Protection" in response to the [Interview](#) question, “What Mass Quote Protection Parameters will your system support?”

Test Suite
Test Case
Post Certification

Steps of the test: Mass Quoter Traded Quantity Protection

This test could take up to several minutes. Please do not close the window during the test. Closing window/stopping test requires to rerun the test from step 1.

Purpose

The purpose of this test is to verify that the client system can submit a Mass Quote with protection and receive and process the Acknowledgement and Fill messages. In addition, verify that the client system can reset the Mass Quoter Protection after it has been triggered.

Selected Contract: 2GEH2 C9887,2GEH2 C9837,2GEH2 P9862 - 705 Unlock

Category	IP	Port
Incremental Feed A		137
Incremental Feed B	IFA_ID_37	
Snapshot	SPT_ID_37	139
Instrument Replay	IFA_ID_37	140

Note: Press the Start Test button to start or restart a Test. Please do not press the Start Test button again if you are currently running this test. START TEST

Description	Status
1 Over an iLink connection, submit a two-sided Mass Quote with more than one quote from the same instrument group, each having a quantity greater than 100	
2 Receive and Process Quote Acknowledgement message	
3 Submit a second two-sided Mass Quote for a different instrument in the same instrument group used in step 1	
4 Receive and process Execution Report - Fill Notice message	
5 Receive and Process Quote Cancel Acknowledgement message	
6 Receive and Process Quote Acknowledgement - Reject message	
7 Submit a two-sided Mass Quote (for the same instrument used in step 3) specifying that the mass quote protection is reset	
8 Receive and Process Quote Acknowledgement message	
9 Submit a two-sided Mass Quote (a different instrument in the same instrument group used in step 7) with more than one quote from the same instrument group	
10 Receive and Process Quote Acknowledgement message	

Key: not tested complete pending failed

REFRESH

▶ **To run a Mass Quote Traded Quantity Protection test:**

1. From the **Contract** drop-down, select the desired contract if the contract is not already locked.
2. Click the "START TEST" button.

Note: DO NOT select the "START TEST" button once the test process is in progress.

3. Submit a two-sided [Mass Quote \(tag 35-MsgType=i\)](#) message with more than one quote from the same instrument group, each having a quantity greater than 100.
4. Select "Yes" or "No" to indicate whether or not your system processed the [Quote Acknowledgment \[35=b, 297-QuoteAckStatus=0 \(Accepted\)\]](#) message accepting all of the instrument quotes.
5. Submit another two-sided Mass Quote (35=i) for a different instrument in the same instrument group used in step 1.
6. Select "Yes" or "No" to indicate whether or not your system processed the following messages:

- [Execution Report - Fill Notice](#)
 - [Quote Cancel Acknowledgment \(35=b, 9775-UnsolicitedCancelType=F \[Market Maker Protection\]\)](#)
 - [Quote Acknowledgment \(35=b, 297=5 \[Rejected\], 300-QuoteRejectReason=98 \[Market Maker Protection\], 58-Text=\[Market Maker Protection\], 368-QuoteEntryRejectReason= \[Market Maker Protection\]\)](#)
7. Submit a two-sided Mass Quote (35=i) message (for the same instrument used in step 3), specifying that Mass Quote Protection should be reset (9773-MMPProtectionReset=Y).
 8. Select **"Yes"** or **"No"** to indicate whether or not your system processed the Quote Acknowledgment [35=b, 297-QuoteAckStatus=0 (Accepted)] message accepting all of the instrument quotes.
 9. Submit a two-sided Mass Quote (35=i) message (a different instrument from the same instrument group used in step 7) with more than one quote from the same instrument group.
 10. Select **"Yes"** or **"No"** to indicate whether or not your system processed the Quote Acknowledgment (35=b, 297-QuoteAckStatus=0 (Accepted)] message accepting all of the instrument quotes.

Mass Quote Buy/Sell Protection

This test verifies that your system can submit a [Mass Quote with Buy/Sell Protection](#) and reset the Mass Quote Protection after it has been triggered.

Note: This procedure refers to "first", "second", and "third" quotes on Mass Quotes. The order of quotes is determined by looking at the first repeating group starting after the first instance of tag 295-NoQuoteEntries in the message.

Note: This test is mandatory if you selected "Buy/Sell" in response to the [Interview](#) question, "What Mass Quote Protection Parameters will your system support?"

Test Suite
Test Case
Post Certification

Steps of the test: Mass Quoter Buy/Sell Protection

This test could take up to several minutes. Please do not close the window during the test. Closing window/stopping test requires to rerun the test from step 1.

Purpose
The purpose of this test is to verify that the client system can submit a Mass Quote with protection and receive and process the Acknowledgement and Fill messages. In addition, verify that the client system can reset the Mass Quoter Protection after it has been triggered.

Selected Contract: 2GEH2 C9887,2GEH2 C9837,2GEH2 P9862 - 705
Unlock

Category	IP	Port
Incremental Feed A		137
Incremental Feed B	IFA_ID_37	
Snapshot	SPT_ID_37	139
Instrument Replay	IFA_ID_37	140

Note: Press the Start Test button to start or restart a Test. Please do not press the Start Test button again if you are currently running this test.

START TEST

Description	Status
1 Over an iLink connection, submit a two-sided Mass Quote with more than one quote from the same instrument group, each having a quantity greater than 100	
2 Receive and Process Quote Acknowledgement message	
3 Submit a second two-sided Mass Quote for a different instrument in the same instrument group used in step 1	
4 Receive and process Execution Report - Fill Notice message	
5 Receive and Process Quote Cancel Acknowledgement message	
6 Receive and Process Quote Acknowledgement - Reject message	
7 Submit a two-sided Mass Quote (for the same instrument used in step 3) specifying that the mass quote protection is reset	
8 Receive and Process Quote Acknowledgement message	
9 Submit a two-sided Mass Quote (a different instrument in the same instrument group used in step 7) with more than one quote from the same instrument group	
10 Receive and Process Quote Acknowledgement message	

Key: not tested complete pending failed

REFRESH

▶ To run a Mass Quote Buy/Sell protection test:

1. From the **Contract** drop-down, select the desired contract if the contract is not already locked.
2. Click the "START TEST" button.

Note: DO NOT select the "START TEST" button once the test process is in progress.

3. Submit a two-sided [Mass Quote \(tag 35-MsgType=i\)](#) message with more than one quote from the same instrument group, each having a quantity greater than 100.
4. Select "Yes" or "No" to indicate whether or not your system processed the [Quote Acknowledgment \[35=b, 297-QuoteAckStatus=0 \(Accepted\)\]](#) message accepting all of the instrument quotes.
5. Submit another two-sided Mass Quote (35=i) for a different instrument in the same instrument group used in step 1.
6. Select "Yes" or "No" to indicate whether or not your system processed the following messages:

- [Execution Report - Fill Notice](#)
 - [Quote Cancel Acknowledgment \(35=b, 9775-UnsolicitedCancelType=F \[Market Maker Protection\]\)](#)
 - [Quote Acknowledgment \(35=b, 297=5 \[Rejected\], 300-QuoteRejectReason=98 \[Market Maker Protection\], 58-Text=\[Market Maker Protection\], 368-QuoteEntryRejectReason= \[Market Maker Protection\]\)](#)
7. Submit a two-sided Mass Quote (35=i) message (for the same instrument used in step 3), specifying that Mass Quote Protection should be reset (9773-MMProtectionReset=Y).
 8. Select **"Yes"** or **"No"** to indicate whether or not your system processed the Quote Acknowledgment [35=b, 297-QuoteAckStatus=0 (Accepted)] message accepting all of the instrument quotes.
 9. Submit a two-sided Mass Quote (35=i) message (a different instrument from the same instrument group used in step 7) with more than one quote from the same instrument group.
 10. Select **"Yes"** or **"No"** to indicate whether or not your system processed the Quote Acknowledgment (35=b, 297-QuoteAckStatus=0 (Accepted)) message accepting all of the instrument quotes.

Manual Order Indicator

Manual Order Indicator tests include the following:

- [Manual Order Indicator for Manual System Test](#)
- [Manual Order Indicator for ATS System Test](#)
- [Manual Order Indicator for Semi Automated System Test](#)

Manual Order Indicator for Manual System

The Manual Order Indicator for Manual System test verifies that your manual system can submit a [Mass Quote \(tag 35-MsgType=i\)](#) message with the Manual Order Indicator.

Note: This test is mandatory if you selected "Manual" in response to the [Interview](#) question, "How will your system send orders?"

Current Testing Configuration

Company Name: QA

System Profile: MassQuote_Online_help - Automated Trading System 1.3

SenderComp: PREPARED UNASSIGN

Tester: [Download Test Data](#)

TestSuite: Mass Quote

Test Suite Status:

Pre-Certification Interview: Complete

Test Suite Status: In Progress

[Mass Quote Online Help](#)

Interview

Test Suite

Test Case

Post Certification

Steps of the test: Manual Order Indicator for Manual System

This test could take up to several minutes. Please do not close the window during the test. Closing window/stopping test requires to rerun the test from step1.

Purpose

The purpose of this test case is to verify how customer is using Manual Order Indicator tag.

Selected Contract: 2GEH2 C9887,2GEH2 C9837,2GEH2 P9862 - 705

Unlock

Category	IP	Port
Incremental Feed A		137
Incremental Feed B	IFA_ID_37	
Snapshot	SPT_ID_37	139
Instrument Replay	IFA_ID_37	140

Note: Press the Start Test button to start or restart a Test. Please do not press the Start Test button again if you are currently running this test.

START TEST

Description	Status
1 Over an iLink connection, submit a Mass Quote with the proper Manual Order Indicator tag.	
2 Receive and process Quote Acknowledgement message correctly	

Key: not tested complete pending failed

REFRESH

▶ To run a Manual Order Indicator for Manual System test:

- 28 - User Manual

1. From the **Contract** drop-down, select the desired contract if the contract is not already locked.
2. Click the "START TEST" button.

Note: DO NOT select the "START TEST" button once the test process is in progress.

3. Submit a [Mass Quote \(tag 35-MsgType=i\)](#) message with tag 1028-ManualOrderIndicator.
4. Select "Yes" or "No" to indicate whether or not your system received and processed the [Quote Acknowledgment \(35=b\)](#) message correctly.

Manual Order Indicator for ATS System

The Manual Order Indicator for ATS System test verifies that your ATS system can submit a [Mass Quote \(tag 35-MsgType=i\)](#) message with the Manual Order Indicator.

Note: This test is mandatory if you selected "ATS" in response to the [Interview](#) question, "How will your system send orders?"

Current Testing Configuration

Company Name: QA

System Profile: MassQuote_Online_Help - Automated Trading System 1.0

SenderComp: PREPARE UNASSIGN

Tester: TestSuites - Test Suite

TestSuite: Mass Quote

Test Suite Status:

Pre-Certification Interview: Complete

Test Suite Status: In Progress

[Mass Quote Online Help](#)

Interview

Test Suite

Test Case

Post Certification

Steps of the test: Manual Order Indicator for ATS System

This test could take up to several minutes. Please do not close the window during the test. Closing window/stopping test requires to rerun the test from step1.

Purpose

The purpose of this test case is to verify how customer is using Manual Order Indicator tag.

Selected Contract: 2GEH2 C9887,2GEH2 C9837,2GEH2 P9862 - 705

Unlock

Category	IP	Port
Incremental Feed A		137
Incremental Feed B	IFA_ID_37	
Snapshot	SPT_ID_37	139
Instrument Replay	IFA_ID_37	140

Note: Press the Start Test button to start or restart a Test. Please do not press the Start Test button again if you are currently running this test.

START TEST

Description	Status
1 Over an ILink connection, submit a Mass Quote with the proper Manual Order Indicator tag.	
2 Receive and process Quote Acknowledgement message correctly	

REFRESH

Key:

not tested

complete

pending

failed

To run a Manual Order Indicator for ATS System test:

1. From the **Contract** drop-down, select the desired contract if the contract is not already locked.
2. Click the "START TEST" button.

Note: DO NOT select the "START TEST" button once the test process is in progress.

- Submit a [Mass Quote \(tag 35-MsgType=i\)](#) message with tag 1028-ManualOrderIndicator.
- Select "Yes" or "No" to indicate whether or not your system received and processed the [Quote Acknowledgment \(35=b\)](#) message correctly.

Manual Order Indicator for Semi Automated System

The Manual Order Indicator for Semi Automated System test verifies that your semi automated system can submit a [Mass Quote \(tag 35-MsgType=i\)](#) message with the Manual Order Indicator.

Note: This test is mandatory if you selected "Semi Automated" in response to the [Interview](#) question, "How will your system send orders?"

Current Testing Configuration

Company Name: QA

Tester: Swadesh Kachhi

System Profile: MassQuote_Online_help - Automated Trading System 1.3

TestSuite: Mass Quote

SenderComp: PD3123 UNASSIGN

Test Suite Status:

Pre-Certification Interview: Complete

Test Suite Status: In Progress

[Mass Quote Online Help](#)

Interview

Test Suite

Test Case

Post Certification

Steps of the test: Manual Order Indicator for Semi Automated System

This test could take up to several minutes. Please do not close the window during the test. Closing window/stopping test requires to rerun the test from step 1.

Purpose

The purpose of this test case is to verify how customer is using Manual Order Indicator tag.

Selected Contract: 2GEH2 C9887,2GEH2 C9837,2GEH2 P9862 - 705

Unlock

Category	IP	Port
Incremental Feed A		137
Incremental Feed B	IFA_ID_37	
Snapshot	SPT_ID_37	139
Instrument Replay	IFA_ID_37	140

Note: Press the Start Test button to start or restart a Test. Please do not press the Start Test button again if you are currently running this test.

START TEST

Description	Status
1 Over an ILink connection, submit a Mass Quote with Manual Order Indicator tag set to Y.	
2 Receive and process Quote Acknowledgement message correctly	
3 Submit a Mass Quote with Manual Order Indicator tag set to N.	
4 Receive and process Quote Acknowledgement message correctly	

REFRESH

Key: not tested complete pending failed

▶ To run a Manual Order Indicator for Semi Automated System test:

1. From the **Contract** drop-down, select the desired contract if the contract is not already locked.
2. Click the **"START TEST"** button.

Note: **DO NOT** select the **"START TEST"** button once the test process is in progress.

3. Submit a [Mass Quote \(tag 35-MessageType=i\)](#) message with tag 1028-ManualOrderIndicator=Y.
4. Select **"Yes"** or **"No"** to indicate whether or not your system received and processed the [Quote Acknowledgment \(35=b\)](#) message correctly.
5. Submit a [Mass Quote \(tag 35-MessageType=i\)](#) message with tag 1028-ManualOrderIndicator=N.
6. Select **"Yes"** or **"No"** to indicate whether or not your system received and processed the [Quote Acknowledgment \(35=b\)](#) message correctly.